

# MONTANA COMPREHENSIVE ASSESSMENT SYSTEM (MONTCAS, PHASE 2)

## CRT RELEASED ITEMS, SPRING 2008

All required information must be bubbled if there is no student ID label.

A STUDENT NAME (Required)																			
LAST NAME										FIRST NAME									
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
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I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
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K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
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M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
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P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
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Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z

B SCHOOL CODE(Sc) (Required)			
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9



### STUDENT TEST BOOKLET GRADE 3

### COMMON RELEASED ITEMS

TEACHER NAME:

C LOCAL STUDENT IDENTIFICATION (Optional)									
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
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5	5	5	5	5	5	5	5	5	5
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D STATE STUDENT IDENTIFICATION (Required)									
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E BIRTH DATE (Required)					
MONTH		DAY		YEAR	
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6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

STUDENT ID LABEL



Complete appropriate sections of this page after testing is complete.

**Section 1:** Required only for public schools and private schools accredited by the Montana Board of Public Education. **TO BE COMPLETED BY SCHOOL TEST COORDINATOR.**

**F**

- ☐ Student not enrolled (For example: homeschooled student)
  - ☐ Former LEP (cannot be current LEP)
  - ☐ Student enrolled less than 180 hours and taking a reading or mathematics course.
  - ☐ Student not in school entire academic year
  - ☐ Student not in district entire academic year
  - ☐ Student participated through alternate assessment this year.
- Note:** Any student participating in the alternate assessment must be identified as a special education student with an IEP in the AIM student information system.

**Section 2:** Required only for public schools and private schools accredited by the Montana Board of Public Education. **TO BE COMPLETED BY THE TEST ADMINISTRATOR.**

**G STANDARD ACCOMMODATIONS**

(Mark all that apply.)

- |             |  |
|-------------|--|
| Reading     | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 <input type="radio"/> 12 <input type="radio"/> 13 <input type="radio"/> 14 <input type="radio"/> 15 <input type="radio"/> 16 <input type="radio"/> 17 <input type="radio"/> 18 <input type="radio"/> 19 <input type="radio"/> 20 <input type="radio"/> 21 <input type="radio"/> 22 <input type="radio"/> 23 <input type="radio"/> 24 <input type="radio"/> 25 <input type="radio"/> 26 <input type="radio"/> 27 <input type="radio"/> 28 |
| Mathematics | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 <input type="radio"/> 12 <input type="radio"/> 13 <input type="radio"/> 14 <input type="radio"/> 15 <input type="radio"/> 16 <input type="radio"/> 17 <input type="radio"/> 18 <input type="radio"/> 19 <input type="radio"/> 20 <input type="radio"/> 21 <input type="radio"/> 22 <input type="radio"/> 23 <input type="radio"/> 24 <input type="radio"/> 25 <input type="radio"/> 26 <input type="radio"/> 27 <input type="radio"/> 28 |
| Science     | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9 <input type="radio"/> 10 <input type="radio"/> 11 <input type="radio"/> 12 <input type="radio"/> 13 <input type="radio"/> 14 <input type="radio"/> 15 <input type="radio"/> 16 <input type="radio"/> 17 <input type="radio"/> 18 <input type="radio"/> 19 <input type="radio"/> 20 <input type="radio"/> 21 <input type="radio"/> 22 <input type="radio"/> 23 <input type="radio"/> 24 <input type="radio"/> 25 <input type="radio"/> 26 <input type="radio"/> 27 <input type="radio"/> 28 |

**NON-STANDARD ACCOMMODATIONS**

(Mark all that apply.)

- |             |   |
|-------------|---|
| Reading     | <input type="radio"/> 29 <input type="radio"/> 30 <input type="radio"/> 31 <input type="radio"/> 32 |
| Mathematics | <input type="radio"/> 29 <input type="radio"/> 30 <input type="radio"/> 31 <input type="radio"/> 32 |

**Section 3:** Only for private schools not accredited by the Montana Board of Public Education. **TO BE COMPLETED BY SCHOOL TEST COORDINATOR.**

**(Required Coding)**

- ☐ Student enrolled in a private non-accredited school

**H**

**GENDER**

(Optional Coding)

- ☐ Female
 ☐ Male

**I**

**ETHNICITY**

(Optional Coding)

(Mark only one.)

- ☐ American Indian or Alaska Native
- ☐ Asian
- ☐ Hispanic
- ☐ Black or African American
- ☐ Native Hawaiian or Other Pacific Islander
- ☐ White

**J**

**PROGRAM INFORMATION**

(Optional Coding)

(Mark all that apply.)

- ☐ SE (student has an IEP)
- ☐ 504
- ☐ MG
- ☐ GT
- ☐ LEP/ELL (Cannot be former LEP)
- ☐ Former LEP (Cannot be current LEP)
- ☐ F/RL
- ☐ Significant Cognitive Disability (Student should participate through CRT-ALT)

## General Directions

This test contains six sessions: three in reading and three in mathematics. The sessions are made up of multiple-choice questions and questions for which you must show your work or write out your answers. Write your answers to all of the questions in this test booklet. For the reading parts of the test, read each selection before answering the questions.

For each multiple-choice question, choose the BEST answer. Fill in the bubble next to your answer choice for that question.

Some questions ask you to write out your answers. Write your answers to these questions in the boxes right below each question. Your answers must fit in the boxes. Be sure to answer ALL PARTS of each question. You can receive points for a partly correct answer, so try to answer every question. Show ALL of your work for the mathematics questions.

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the next page.**



# Reading Session 1

No items released from this session in 2007/2008.

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on to the next page. 

# Reading

## Session 2

This test session includes a reading selection and multiple-choice questions. After you read the selection, answer the questions about it in the spaces provided. You may NOT use a dictionary for this test.

Read this article about how to make face paint. Then answer the questions that follow.

### What a Face!

by Arlette N. Braman



Face painting is fun to do. You can become anyone or anything you like with a few strokes of a brush.

#### Here's What You Need

- store-bought face paint
- for homemade face paint you'll need:
  - 2 teaspoons shortening
  - 2 ½ teaspoons cornstarch
  - 1 teaspoon white flour
  - glycerine\* (glis-er-in) (available at stores)
  - eyedropper
  - food coloring

\*glycerine: a sticky, colorless liquid

- cold cream (a skin cream you can buy at a store)
- paintbrush
- friend
- mirror

Read this! Never use any paint on your face except homemade face paint or paint you buy that is made for face painting. All other paints can cause rashes on your skin!

#### Here's What You Do

1. You can buy face paint at a craft, toy, or art store, or make your own by following these steps:
  - Mix the shortening, cornstarch, and flour until it forms a paste.
  - Add the glycerin, a few drops at a time. Start with four drops and stir. If the mixture doesn't spread easily, add

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the next page.



one or two more drops. This mixture will not have the consistency of store-bought face paint. It is thicker, like icing for cake. The glycerin helps to make it easier to spread.

- Split the mixture into four small portions. Add a few drops of food coloring to each portion. Stir well. If you want to make more colors, make another batch.

2. Smooth a little cold cream on your face before you paint it. This will help the paint wash off easily.
3. Start painting! It's best to do this with a friend, painting each other's faces. To paint your own face, use a mirror.
4. Wash your face before you go to bed. Never sleep with face paint on.

**Choose the BEST answer for each multiple-choice question. Fill in the bubbles next to your answer choices.**

35. What is the **main** purpose of the paragraph under the picture?
- ☐ A. to describe how to paint a face
- ☐ B. to tell why people make their own face paint
- ☐ C. to explain where face paint comes from
- ☐ D. to tell that painting faces is fun and easy
36. Which item is needed to make homemade face paint?
- ☐ A. a mirror
- ☐ B. white flour
- ☐ C. a paintbrush
- ☐ D. cold cream

37. What is the **main** purpose of the sentences in the box?
- ☐ A. to warn readers to use care when face painting
- ☐ B. to describe how to make face paint designs
- ☐ C. to tell readers not to use homemade face paint
- ☐ D. to explain why face painting can be difficult
38. According to step 1, what is true about homemade face paint?
- ☐ A. It costs more than store-bought face paint.
- ☐ B. It is easier to find than store-bought face paint.
- ☐ C. It is more difficult to spread than store-bought face paint.
- ☐ D. It comes in more colors than store-bought face paint.

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39. In step 2, which word could be used in place of smooth?

- ☐ A. wash
- ☐ B. mix
- ☐ C. spread
- ☐ D. make

40. Why is it helpful to use cold cream before face painting?

- ☐ A. It makes the face paint easier to wash off.
- ☐ B. It makes the face paint smoother.
- ☐ C. It makes the face paint more colorful.
- ☐ D. It makes the face paint easier to mix.

41. This article is an example of

- ☐ A. fiction.
- ☐ B. poetry.
- ☐ C. a play.
- ☐ D. nonfiction.

Please **STOP**. Do not go on to the next page. 

# Reading

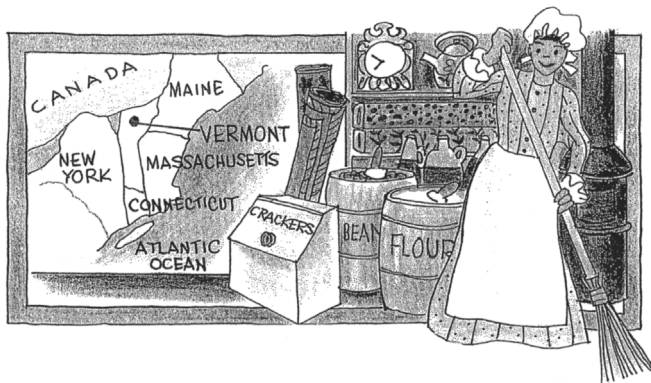
## Session 3

This test session includes reading selections, multiple-choice questions, and a question for which you must write out your answer. After you read each selection, answer the questions about it in the spaces provided. You may **NOT** use a dictionary for this test.

Read this passage about Hope Whitehead and her Vermont store in 1820. Then answer the questions that follow.

### A General Store

by Jeanne Bendick and Robert Bendick



**Time:** About 1820—less than 200 years ago

**Place:** The state of Vermont in the new United States

IT'S EARLY MORNING and you are about to open the door of your general store.

You are Hope Whitehead, and you have the first store in this farming community. Until now, the farmers and their wives had no place to buy even everyday things. They had to repair any tools they had. They made their clothes and even the cloth for the clothes. They made their furniture, their cooking and eating utensils, toys for the children. They grew or made everything they ate.

You look around the store with pride. Beside the everyday things you have pretty fabrics for dresses and woolens for coats. You have china from England and a specially ordered clock from Germany. You have tea and coffee, salt and refined sugar. You have barrels of oatmeal, crackers, and beans. You have guns and gunpowder, bullets, traps, nails, axes, and other hardware. . . .

Once a year you go to Boston on the stagecoach to see what you might find for your store in the big city. Otherwise you order by mail. You have to think ahead—it takes 4 weeks for the freight wagon to deliver your orders. You buy some of your stock from peddlers who call regularly, their wagons loaded with everyday needs—pots and pans, needles and thread.

One side of the store is the pharmacy. Your husband is the pharmacist. He has drugs and medicine in big bottles and small jars, in drawers and packets. He orders some of them through the mail. The rest he grows or makes himself—remedies for toothaches, backaches, and headaches.

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the next page.





- All your children work in the store. They sweep and polish and weigh and wrap and help load and unload the farmers' wagons. Faith, your oldest daughter, is also
- 6 the postmistress. Every family has its own cubbyhole in the store's post office. The mail coach comes every ten days or so, bringing mail for the community and picking up outgoing mail. There are no radios,

newspapers, or telephones so letters are the only way people can keep in touch with their friends and relatives. People pay for their letters when they are delivered. . . .

Now, it's about to open for the day. The bell over the door jingles. "Good morning, Mrs. Smith," you say. "My, that's a lovely bonnet. What can I do for you?"

**Choose the BEST answer for each multiple-choice question. Fill in the bubbles next to your answer choices.**

55. What does the map in the picture **mostly** show?
- ☐ A. where the state of Vermont is located
  - ☐ B. the kinds of people who lived in Vermont
  - ☐ C. why general stores were located in Vermont
  - ☐ D. the way orders were shipped to Vermont
56. In this passage, the author pretends the reader
- ☐ A. is Hope Whitehead.
  - ☐ B. is a farmer in the year 1820.
  - ☐ C. knows where Vermont is.
  - ☐ D. works as a pharmacist.
57. Based on paragraph 4, stock is something that Hope
- ☐ A. sells.
  - ☐ B. fixes.
  - ☐ C. makes.
  - ☐ D. cleans.
58. In paragraph 4, peddlers are people who
- ☐ A. fix things.
  - ☐ B. grow things.
  - ☐ C. sell things.
  - ☐ D. make things.

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the next page.**



59. Based on paragraph 6, a postmistress is somebody whose **main** job is to

- ☐ A. take care of the mail.
- ☐ B. keep the store floors swept.
- ☐ C. unload the farmers' wagons.
- ☐ D. keep in touch with friends and relatives.

60. Based on this passage, how did stores change the lives of people in farming communities?

- ☐ A. People could do less farming.
- ☐ B. People could buy everyday things.
- ☐ C. People could travel to Boston.
- ☐ D. People could buy things in England.

61. Where would a person **most likely** find more information about life in Vermont in 1820?

- ☐ A. in a dictionary after the word "Vermont"
- ☐ B. on an encyclopedia page about farming
- ☐ C. in a book about United States history
- ☐ D. on an Internet site about how to open a store

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the next page.



Read this story about Melanie and the sun. Then answer the questions that follow.

## The Day the Sun Waited in the Sky

by Aretha Nadine McKinney

“Melanie,” her mother called. “Melanie, when the sun touches the tops of the trees it will be time for you to come in and wash up for dinner.”

“O.K., Mom,” Melanie called back. As soon as her mother was inside the house, Melanie turned toward the sun that already sat low in the sky. The sun had turned a brilliant orange color. “Sun,” Melanie called out, “you must stay in the sky a little longer tonight. I’m not ready to go inside. I’m not ready to quit playing today. I’m not even hungry for dinner.”

The sun did not reply. Melanie noticed, however, that the sun wasn’t moving. Surely, she thought, it must have heard her. Melanie filled a blue pail with sand and continued to make towers around her sandcastle. Time passed. Melanie glanced back up at the sun, and, to her surprise, it had moved closer to the treetops.

“Sun,” Melanie said, standing up straight and tall with her hands on her hips, “didn’t you hear me? You must stay in the sky a little longer. I’m not ready to go inside. I’m not ready to quit playing today. I’m not even hungry for dinner.”

The sun did not reply. Melanie noticed again, however, that it wasn’t moving. This time she was certain that the sun heard her. Melanie yawned as she began digging a moat in the sand. Time passed. When Melanie looked up again, the sun was edging the treetops.



What! Melanie thought. This cannot be.

Just then Melanie’s mom called from the back door, “It’s time to come inside and wash up for dinner, Melanie.”

Melanie’s stomach growled. She was hungry. Melanie yawned. She was tired. “O.K.,” she said. She stood up and dusted her hands on her pants. Maybe the sun did hear my request, she thought. Maybe the sun waited to reach the treetops until it knew my sandcastle was done and I was hungry. Yes, of course the sun heard me!

“Sun,” Melanie called out, “thank you for waiting to reach the treetops. Now I’m ready to go inside. I’m ready to quit playing today. I’m tired and hungry for dinner.”

Please go on to  
the next page.



The sun beamed out over the trees. And before Melanie's eyes, the sun turned dark pink and began sinking slowly behind the trees. The sky turned shades of orange and

pink and yellow. As she stared in amazement at the beautiful colors, Melanie was almost sure that she heard the sun say, "You're welcome!"

**Choose the BEST answer for each multiple-choice question. Fill in the bubbles next to your answer choices.**

69. When does this story take place?

- ☐ A. before breakfast
- ☐ B. right after breakfast
- ☐ C. right after lunch
- ☐ D. before dinner

70. In the first paragraph, what does Melanie's mother mean by "when the sun touches the tops of the trees"?

- ☐ A. when the sun loses its warmth
- ☐ B. when the sun changes its color
- ☐ C. when the sun starts to go down
- ☐ D. when the sun can no longer be seen

71. In paragraph 3, "Melanie glanced back up at the sun." In this sentence, the word glanced means

- ☐ A. reached slowly.
- ☐ B. looked quickly.
- ☐ C. whispered softly.
- ☐ D. listened quietly.

72. Why does Melanie tell the sun to stay in the sky?

- ☐ A. She wants to eat dinner outside.
- ☐ B. She wants to show her mother the sun.
- ☐ C. She wants to play outside longer.
- ☐ D. She wants to see if the sun changes color.

**Please go on to  
the next page.**



73. Whenever Melanie tells the sun not to move, she notices that it

- ☐ A. seems to be still.
- ☐ B. looks smaller.
- ☐ C. seems brighter.
- ☐ D. becomes a different color.

74. In paragraph 4, why does Melanie put her hands on her hips?

- ☐ A. She wants to look at the sky.
- ☐ B. She is getting mad at the sun.
- ☐ C. She thinks she hears her mother.
- ☐ D. She is tired from digging in the sand.

75. In paragraph 5, Melanie “was certain that the sun heard her.” Which word means the same as certain?

- ☐ A. happy
- ☐ B. confused
- ☐ C. sure
- ☐ D. surprised

76. What is the **first** sign that Melanie is almost ready to go inside?

- ☐ A. Her mother calls her.
- ☐ B. The sky turns orange.
- ☐ C. She yawns as she digs.
- ☐ D. She wants to stand up.

77. When Melanie looks up, why is she surprised to see that the sun has moved?

- ☐ A. Her mother told her the sun could not move.
- ☐ B. She thought the sun would listen to her.
- ☐ C. Her mother told her the sun would follow her.
- ☐ D. She thought the sun wanted to play with her.

78. In paragraph 8, Melanie thinks, “Maybe the sun did hear my request.” Melanie’s request was something she had

- ☐ A. told her mother.
- ☐ B. asked of the sun.
- ☐ C. thought to herself.
- ☐ D. heard the sun say.

Please go on to  
the next page.



79. What is the **main idea** of this story?
- ☐ A. The sun moves behind the treetops.
  - ☐ B. Melanie's mother wants her to come inside.
  - ☐ C. The sky turns many beautiful colors.
  - ☐ D. Melanie wants to finish playing before the sun sets.

80. Where would a person **most likely** find true information about how the sun moves in the sky?
- ☐ A. in a dictionary, under the word "sun"
  - ☐ B. in a magazine with poems about sunsets
  - ☐ C. in an encyclopedia, under the word "sun"
  - ☐ D. in a newspaper article about sunsets

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the next page.





# Mathematics

## Session 1 (No Calculator)

This test session includes multiple-choice questions and questions for which you must show your work or write out your answer. You may NOT use a calculator during this part of the test.

Choose the BEST answer for each multiple-choice question. Fill in the bubbles next to your answer choices.

2. Which number is **odd**?

- ☐ A. 254
- ☐ B. 261
- ☐ C. 300
- ☐ D. 328

3. Ms. Mitchell made the chart below to show how many points each grade earned on Field Day.

**Points Earned**

Grade	Number of Points
First	44
Second	40
Third	53
Fourth	50

Ms. Mitchell wants to use this chart to make a bar graph. Which grade should have the shortest bar on the bar graph?

- ☐ A. first grade
- ☐ B. second grade
- ☐ C. third grade
- ☐ D. fourth grade

Please go on to  
the next page.





4. Elizabeth's kitten weighs 2 pounds. How many ounces does her kitten weigh?

☐ A. 16 ounces  
☐ B. 20 ounces  
☐ C. 22 ounces  
☐ D. 32 ounces

9. Bryce wants to make a chart to show his friends' bedtimes. Which question should Bryce ask his friends?

☐ A. What time do you wake up?  
☐ B. What time do you go to bed?  
☐ C. How many hours do you sleep each night?  
☐ D. How many minutes do you read before bedtime?

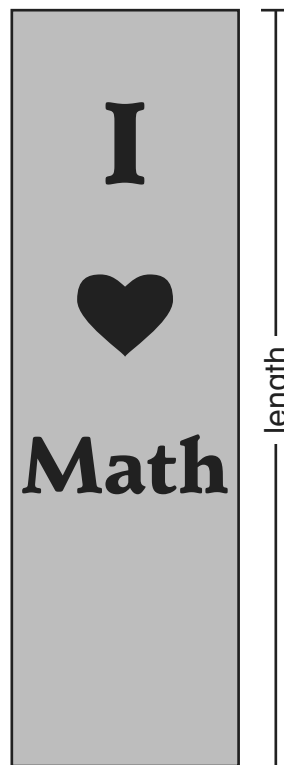
10. Shannon wrote the number sentence below.

$$1 + 3 + 5 = \square + 1 + 5$$

What number belongs in the box?

☐ A. 3  
☐ B. 5  
☐ C. 6  
☐ D. 9

11. Use your ruler and the bookmark shown below to answer this question.



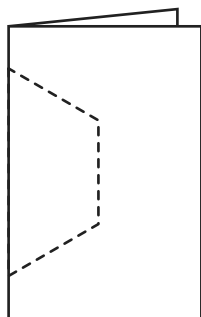
What is the length of this bookmark to the nearest centimeter?

☐ A. 4 centimeters  
☐ B. 8 centimeters  
☐ C. 10 centimeters  
☐ D. 12 centimeters

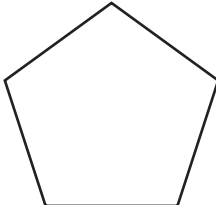

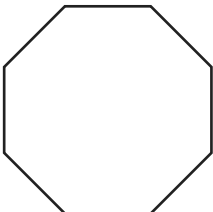
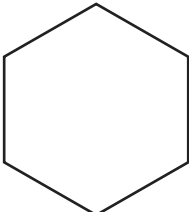
Please go on to  
the next page.



12. Maria folded a piece of paper in half as shown below.



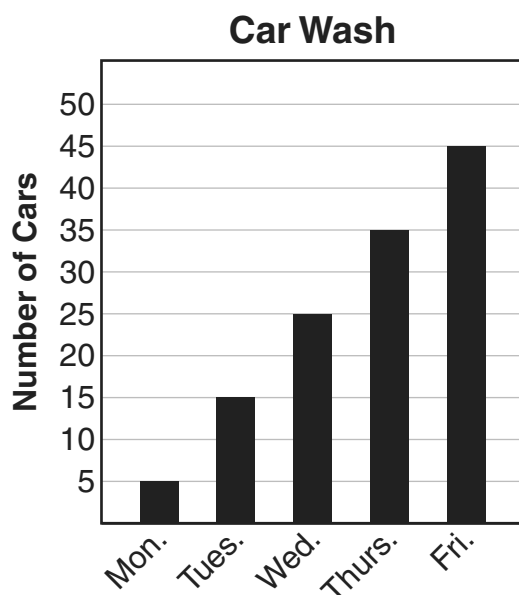
She cut the folded paper on the dotted line to make a shape. What did the shape look like when Maria unfolded it?

- ☐ A. 
- ☐ B. 
- ☐ C. 
- ☐ D. 

13. Mrs. Young has 24 desks in her classroom. She arranged all the desks in 3 rows with the same number of desks in each row. How many desks are in each row?

- ☐ A. 6
- ☐ B. 7
- ☐ C. 8
- ☐ D. 9

15. The bar graph below shows how many cars went to the car wash for five days.



Based on the bar graph, which statement is true?

- ☐ A. Each day, 5 fewer cars went to the car wash than the day before.
- ☐ B. Each day, 5 more cars went to the car wash than the day before.
- ☐ C. Each day, 10 fewer cars went to the car wash than the day before.
- ☐ D. Each day, 10 more cars went to the car wash than the day before.

**Please go on to  
the next page.**



18. Each month, more jump ropes were sold at a toy store than the month before. Which chart shows this information?

☐ A.

<b>Month</b>	<b>Number of Jump Ropes Sold</b>
April	175
May	182
June	190
July	211
August	227

☐ C.

<b>Month</b>	<b>Number of Jump Ropes Sold</b>
April	181
May	203
June	225
July	197
August	489

☐ B.

<b>Month</b>	<b>Number of Jump Ropes Sold</b>
April	229
May	216
June	193
July	188
August	174

☐ D.

<b>Month</b>	<b>Number of Jump Ropes Sold</b>
April	173
May	199
June	206
July	206
August	251

Please go on to  
the next page.



20. The chart below shows the number of students in each club at Hilltop School.

**Clubs at Hilltop School**

Club	Number of Students
Art	27
Computer	21
Math	29

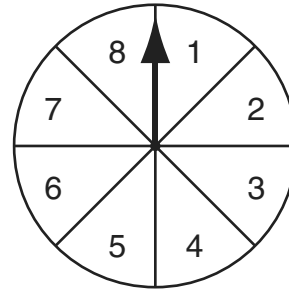
Which is the **best estimate** for the total number of students in the clubs at Hilltop School?

- ☐ A. 60
- ☐ B. 70
- ☐ C. 80
- ☐ D. 90

21. A farmer had 85 tomatoes. Then she sold 49 of them. How many tomatoes does the farmer have now?

- ☐ A. 34
- ☐ B. 36
- ☐ C. 44
- ☐ D. 46

22. Maria is going to spin the spinner shown below one time.



Which best describes the chances of the arrow landing on 10?

- ☐ A. certain
- ☐ B. impossible
- ☐ C. very likely
- ☐ D. unlikely

**Please go on to  
the next page.**



■ ■ ■  
**Write out your answer in the box below.**

23. Look at the number sentence below.

$$\boxed{?} - 6 = 13$$

What number makes this number sentence true?

**Work Space**

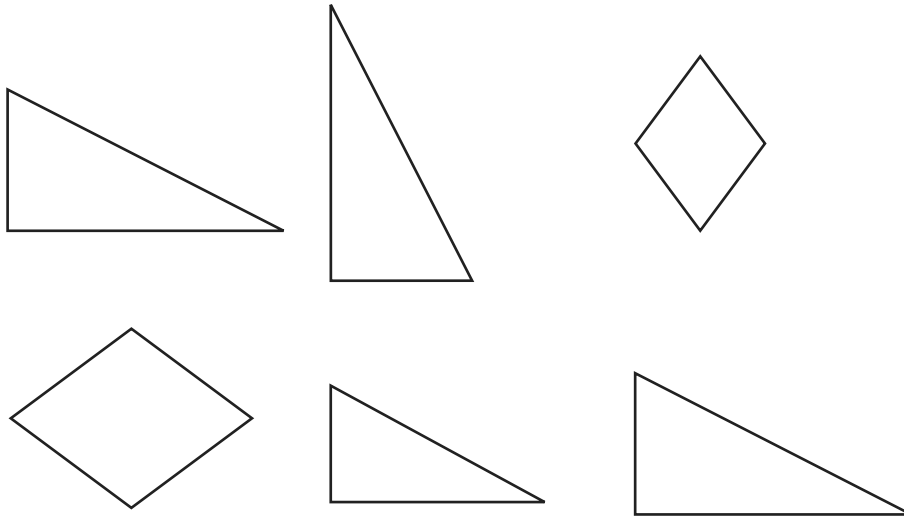
23.

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the next page.**



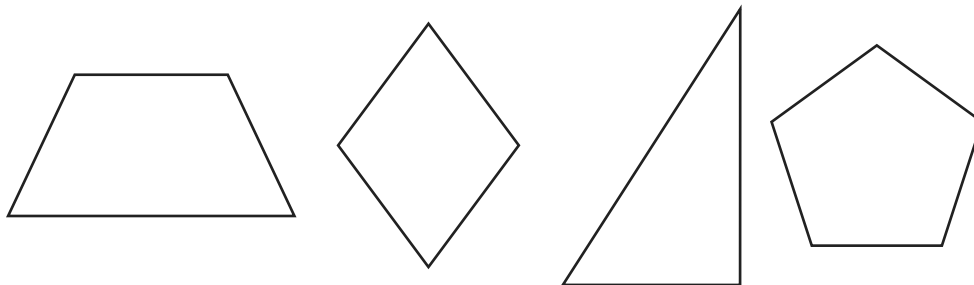
Write out your answer in the box below.

25. Look at the figures below.



a. Put an **X** on the figures that are the same size and shape.

Look at the figures below.



b. Circle the figure that could be made from two triangles that are the same size and shape.

c. Draw a line on the figure you circled to show how it could be cut into two triangles that are the same size and shape.

Please **STOP**. Do not go on to the next page. 

# Mathematics

## Session 2 (No Calculator)

This test session includes multiple-choice questions and a question for which you must write out your answer. You may NOT use a calculator during this part of the test.

Choose the BEST answer for each multiple-choice question. Fill in the bubbles next to your answer choices.

26. Tamika found the coins shown below.



How much money did Tamika find?

- ☐ A. 34¢
- ☐ B. 39¢
- ☐ C. 48¢
- ☐ D. 59¢

27. Stewart made the chart below to show how many dogs his friends have.

**Dogs**

Friend	Number of Dogs
Tony	2
Jennifer	1
Ava	1
Scott	2
Diego	0
Brittany	2
Noel	0

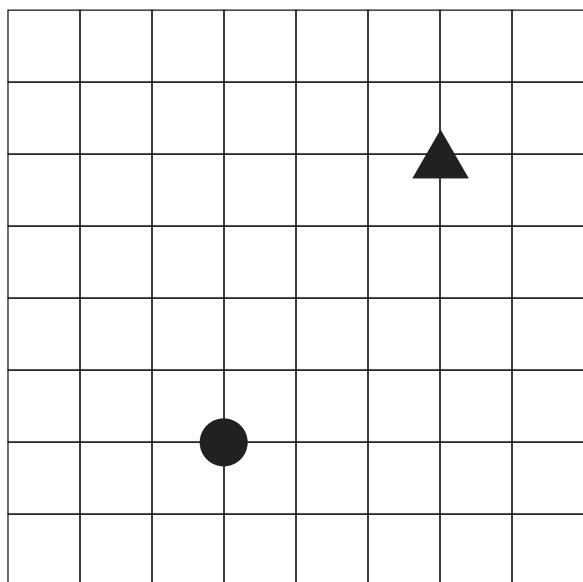
What is the most common number of dogs his friends have?



- ☐ A. 1
- ☐ B. 2
- ☐ C. 7
- ☐ D. 8

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the next page.



28. Look at the grid below.

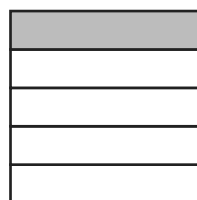


Which directions tell how to move from the  to the ?

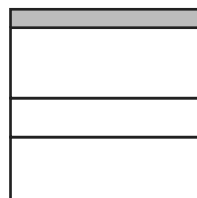
- ☐ A. left 3, down 4
- ☐ B. right 3, down 4
- ☐ C. left 4, down 3
- ☐ D. right 4, down 3

35. Which square is  $\frac{1}{4}$  shaded?

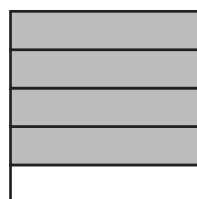
☐ A.



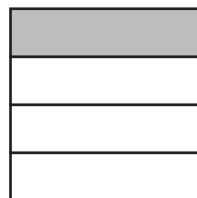
☐ B.



☐ C.



☐ D.



Please go on to  
the next page.





38. Terrell circled a digit in the number shown below.

3285

What is the value of the digit Terrell circled?

- ☐ A. 2  
☐ B. 20  
☐ C. 200  
☐ D. 2000

39. Mr. Jones bought some apples.

- He used 10 of the apples to bake a pie.
- Now he has 8 apples left.

Which number sentence can be used to find how many apples Mr. Jones bought?

- ☐ A.  $10 - 8 = \square$   
☐ B.  $\square + 10 = 8$   
☐ C.  $8 + \square = 10$   
☐ D.  $\square - 10 = 8$

40. Look at the pattern below.



What shape is missing from the pattern?

- ☐ A.   
☐ B.   
☐ C.   
☐ D.

42. The calendar below shows Peter's birthday.

September						
Sun.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16 Peter	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Kim's birthday is 1 week and 3 days before Peter's birthday. What is the date of Kim's birthday?

- ☐ A. September 6  
☐ B. September 12  
☐ C. September 20  
☐ D. September 26

Please go on to  
the next page.



44. Larry wrote the multiplication problem shown below.

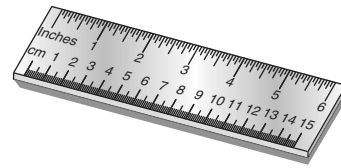
$$6 \times 2 = \square$$

Which is another way to write this problem?

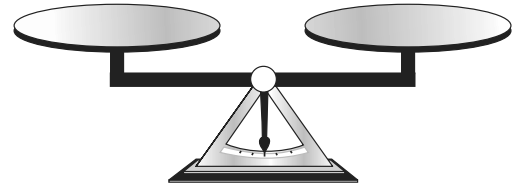
- ☐ A.  $12 + 12 = \square$
- ☐ B.  $2 + 2 + 2 + 2 + 2 + 2 = \square$
- ☐ C.  $12 + 2 = \square$
- ☐ D.  $6 + 6 + 6 + 6 + 6 + 6 = \square$

47. Tina needs to measure a piece of paper to make a book cover. Which tool should she use?

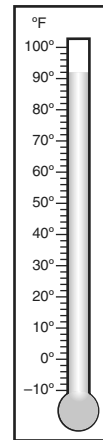
☐ A.



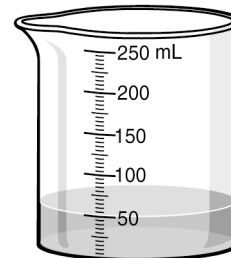
☐ B.



☐ C.



☐ D.



Please go on to  
the next page.



■ ■ ■  
**Write out your answer in the box below.**

48. Add:

$$\begin{array}{r} 349 \\ + 276 \\ \hline \end{array}$$

**Work Space**

48.

**Please STOP. Do not go**  **on to the next page.**

# Mathematics

## Session 3 (Calculator)

This test session includes multiple-choice questions. You may use a calculator during this part of the test.

Choose the BEST answer for each multiple-choice question. Fill in the bubbles next to your answer choices.

61. A pet store has 30 fish in 6 fish tanks. Each tank has the same number of fish in it. Which number sentence can be used to find how many fish are in each tank?

☐ A.  $30 + 6 = \square$   
☐ B.  $30 \div 6 = \square$   
☐ C.  $30 - 6 = \square$   
☐ D.  $30 \times 6 = \square$

64. Melissa bought 6 bags of apples. Each bag had 7 apples in it. She gave 4 apples to her friend. How many apples does Melissa have now?

☐ A. 17  
☐ B. 38  
☐ C. 42  
☐ D. 46

70. The numbers below follow a pattern.

4, 14, 10, 20, 16, 26, 22, 32, 28

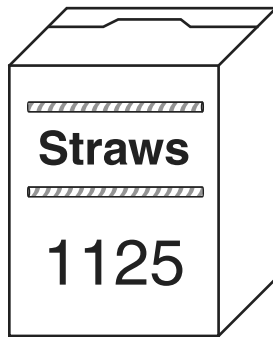
What is the rule for the pattern?

☐ A. add 10  
☐ B. subtract 10, add 4  
☐ C. subtract 4  
☐ D. add 10, subtract 4

Please go on to  
the next page.



71. Look at the box of straws shown below.



Which number words match the numeral on the box?

- ☐ A. one hundred twenty-five
- ☐ B. one thousand one hundred twenty-five
- ☐ C. eleven hundred one hundred twenty-five
- ☐ D. eleven thousand twenty-five

Please STOP. 

# Acknowledgments

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